

MUSHKETOV, I.

112-2-2929

Translation from: Referativnyy Zhurnal, Elektrotehnika, 1957, Nr 2, p. 53 (USSR)

AUTHOR: Mushketov, I.

TITLE: The Periodical "Atomic Energy" (Zhurnal "Atomnaya Energiya")

PERIODICAL: Novoye Vremya, 1956, Nr 9, pp. 31-32

ABSTRACT: Bibliographic entry.

Card 1/1

BYSTRITSKIY, A.A.; MUSHKETOV, I.V.

Maintenance and adjustment of a pneumatic-membrane rail pedal.
Avtom., telem. i svias' 6 no.10:25-28 0 '62. (MIRA 16:5)

1. Nachal'nik laboratorii signalizatsii, tsentralizatsii i
blokirovki Moskovskoy dorogi (for Bystritskiy). 2. Starshiy
elektromekhanik laboratorii signalizatsii, tsentralizatsii i
blokirovki Moskovskoy dorogi (for Mushketov).
(Railroads--Signaling--Block systems)

MUSHKIN, G.N.

Drying Lacquer coatings with industrial frequency currents. [Izd.]
LONITOMASH no.33:313-331 '54. (MLRA 8:2)
(Induction heating)(Lacquer and lacquering)

8(0)

SOV/112-58-3-4156

Translation from: Referativnyy zhurnal. Elektrotehnika, 1958, Nr 3, p 100 (USSR)

AUTHOR: Mushkin, G. N.

TITLE: Drying the Paint-and-Varnish Coats With Commercial-Frequency Power
Should be Quickly Adopted (Uskorit' vnedreniye sushki lakokrasochnykh
pokrytiy tokom promyshlennoy chastoty)

PERIODICAL: Tekhnol. transp. mashinostroyeniya, 1957, Nr 2, pp 3-6

ABSTRACT: An outfit for induction drying of paint-and-varnish coats on railroad-car walls has been in operation for over three years at the Kalinin car-building plant. This outfit includes frames with heaters 600 or 750 mm wide and 2.5 m high; it also includes pneumatic equipment for bringing and attaching the heating frames to the walls, and for removing them from the walls when the car moves. The airgap between the car and the heater is kept uniform by various degrees of compression of the compensating springs between them. The drying operation takes 30-45 min instead of 20-48 hours necessary for

Card 1/2

8(0)

SOV/112-58-3-4156

Drying the Paint-and-Varnish Coats With Commercial-Frequency Power Should

natural air drying. Assembling the car takes about 10 days instead of 21.
Drying of 1 m² requires 0.6-0.9 kwh.

I.I.R.

Card 2/2

137-58-2-3483

Moscow, USSR
Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 2, p 173 (USSR)

AUTHOR: Mushkin, G. N.

TITLE: An Apparatus for High-temperature Tempering of the Edges of Steel Sheets Heated by Intermediate-frequency Current (Ustanovka dlya vysokogo otpuska kromok stal'nykh listov s nagrevom t. p. ch.)

PERIODICAL: Tekhnol. transp. mashinostroyeniya, 1957, Nr 7, pp 13-17

ABSTRACT: Presentation of the designs of two apparatuses (A) having the purpose of tempering the edges of parts cut from sheets by flame cutting and split to a depth of about 10 mm at the points of cutting. One A was designed to make possible simultaneous treatment of the entire contour of the part, and the other envisaged tempering of the edge with intermediate-frequency-current heating of individual parts. The design of the latter was based on a system employing a rotating table and two heaters moving relative to it. The parts were placed on the table and fastened. Rotation of the table within a 90° arc made it possible to bring the edges of the sheets successively to the moving inductors which, after heating the part, were moved

Card 1/2

137-58-2-3483

An Apparatus for High-temperature Tempering (cont.)

from the working position to the starting position by an air drive.

1. Steel--Heat treatment--Equipment

A. B.

Card 2/2

Mu5tHK, N, C.N.

51(1)	PAGE 1 BOOK REPRODUCTION	50/161
<p>Библиотечные и научно-технические материалы по технологии покрытий</p> <p>Сборник научных трудов 1. Опытный центр по технологии металлов (Protective Coatings, Protective, and Special Coatings for Metals) Киров, Надежда, 1959. 291 p. 4,000 copies printed.</p> <p>Editorial Board: P. K. Lavorin, N. I. Litvak, and A. P. Rybkin (forep. Ed.) Ed. of Publishing House: N. S. Sorokin; Chief Ed. (Southern Division, Nadezhda); V. K. Serdyuk, Engineer.</p> <p>PURPOSE: This book is intended for technical personnel in the field of protective coatings for metals.</p>		
<p>CONTENTS: The papers in this collection, presented at a conference of the TPP Institute held in Odessa, deal with the mechanization and acceleration of selective zinc and plating processes performed by electrolysis, and other methods. Quality control of protective coatings is also discussed. No personalities are mentioned. References follow several of the papers.</p>		
<p>Borodkin, Z. G., Engineer (Moscow). White Bronze Plating and Electropolishing of Copper Alloys as a Substitute for Silver Plating 374</p> <p>Budrevich, E. F. Selection of Coatings for Clamping Terminals of Electrical-Installation Equipment 376</p> <p>Buravlevich, S. S., Engineer (Leningrad). Instrument for Controlling the Thickness of Electroplatings During the Process of Deposition 386</p> <p>Kot, I. A., Engineer (Moscow). Photo-Electrochemical Method of Engraving Iron and Steel Plates for Machines and Instruments 391</p> <p>Dorodnic, M. S., Engineer (Moscow). Aluminizing of Steel Reflectors by Spraying With Aluminum in Vacuum 396</p> <p>Khlystov, P. P. Candidate of Chemical Sciences (Moscow). Technological Advances and Improvements in Equipment Design Made by ORTADCO During the First Five Year Plan in the Field of Chemical and Electrolytic Treatments of Metals 402</p> <p>Rukov, V. A., Engineer (Leningrad). Mechanization and Acceleration of Electroplating Processes 409</p> <p>Svetov, E. G., Engineer (Gorky). Present State and Fields of Application for Electrostatic Painting in the Machine-Building Industry 225</p> <p>Golovatyy, N. A., Engineer (Moscow). Painting of Products in a High-voltage Electric Field 230</p> <p>Leshnik, V. I., Engineer (Gorky). Introduction of New Painting Materials and Methods at the Gor'kiy extrazavod (Gor'kiy Motor Vehicle Plant) 246</p> <p>Mishulin, G. S., Engineer (Leningrad). Rapid Drying of Paint and Lacquer Coats Through Application of Commercial-Frequency Currents 259</p> <p>Livanova, M. N., Engineer (Moscow). Automated Painting, Enameeling, and Glazing of Densely Processed Products by Electrostatic Spraying 271</p> <p>Doroshko, O. Candidate of Technical Sciences (Moscow). Painting of Industrial Products in France 284</p>		

KAGANOV, M.A.; LISKEV, I.S.; MUSHKIN, I.G.

Measurement of the thermoelectric properties of semiconductors.
Fiz. tver. tela 1 no.6:988-990 Je '59. (MIRA 12:10)
(Semiconductors) (Thermoelectricity)

31879
S/170/62/005/001/007/015
B104/B102

26.4100

AUTHORS:

Kaganov, M. A., Mushkin, I. G.

TITLE:

Semiconductor thermoanemometer with temperature compensation

PERIODICAL:

Inzhenerno-fizicheskiy zhurnal, v. 5, no. 1, 1962, 72-78

TEXT: A thermoanemometer with two thermistors as sensitive elements is described. The wind velocity is determined from the difference between the temperatures of the two thermistors connected to a differential bridge. The thermistors are equal in form and temperature coefficient but differ in surface area. They are heated by the differential bridge current. By automatic control of the current heating the thermistors an indication of the wind velocity independent of the ambient temperature is achieved. The decrease of measurement accuracy with increasing wind velocity is one of the most serious defects of the instrument. A functional amplifier and an amplifier with nonlinear amplitude characteristic are recommended for the correction of accuracy. Such corrections make it possible to measure wind velocities between 2 and 40 cm/sec in the 10-30°C range with an error of about 4 %. The error due

X

Card 1/2

MUSHKIN, I.G.

Semiconductor universal psychrometer. Inzh.-fiz. zhur. 5 no. 4:97-98
Ap '62. (MIRA 15:4)

1. Agrofizicheskiy institut, Leningrad.
(Hygrometry)

MUSHKIN, I.G.

Universal semiconductor psychrometer. Biul.tekh.-ekon.inform.-
Gos.nauch.-issl.inst.nauch. i tekhn.inform. no.6:40-42 '62.
(MIRA 15:7)
(Hygrometry)

MULKIN, I.G.

Distribution of meteorological elements in the vegetative
cover. Trudy GGO no.144:114-123 '63. (MIRA 17:6)

KAGANOV, M. A.; MUSHKIN, I. G.

"Analysis of apparatuses for measuring some physical parameters of liquids and gases by the change in heat transfer using metallic and semiconductor thermal resistances of direct heating."

report submitted for 2nd All-Union Conf on Heat & Mass Transfer, Minsk,
4-12 May 1964.

Agricultural Physics Sci Res Inst.

L 21818-65 EWT(1)/EPF(n)-2 Pu-4 ASD(a)-5 WW

ACCESSION NR: AP5001966

S/0119/64/000/012/0001/0004

AUTHOR: Kaganov, M. A.; Mushkin, I. G.

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B

TITLE: Synthesizing the instruments for measurement of physical parameters
of liquids and gases on the basis of direct-heated thermal detectors 2)

SOURCE: Priborostroyeniye, no. 12, 1964, 1-4

TOPIC TAGS: thermal detector, measuring instrument, liquid parameter
measurement, gas parameter measurement

AM

AM

ABSTRACT: The operation of thermal-detector instruments, such as thermo-anemometers, thermovacuumeters, gas analyzers, depends on the relation between the heat loss by a hot body and the measurand. The temperature error inherent to the functioning of any primary thermal detector (resistance wire or thermistor) can be eliminated by using a differential circuit. A method of temperature-error elimination is described in which direct-heating detectors are

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L 24818-65

ACCESSION NR: AP5001966

O
connected to a differential circuit in such a way that different powers are dissipated in the heaters and the measurand is determined by the difference in temperatures of the detectors. Formulas and tables for calculating differential-bridge "series" and "parallel" circuits to minimize the temperature error are supplied. The essence of the above method was given by K. E. Johnson ("Progr. Industr. Gas Chromatography," NY Plenum Press, 1961, v. 1) and J. Veprčec (J. Scient. Instr., 1963, v. 40, no. 2). Orig. art. has: 1 figure, 24 formulas, and 3 tables.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: IE

NO REF SOV: 005

OTHER: 003

Cord 2/2

L 2452-66

ACCESSION NR: AF5023178

UR/0320/65/000/008/0129/0131

32
B

AUTHOR: Kaganov, M. A.; Mushkin, I. G.

TITLE: A semiconductor thermocanemometer for agricultural meteorology

SOURCE: Vestnik sel'skokhozyaystvennoy nauki, no. 8, 1965, 129-131

TOPIC TAGS: agriculture, anemometer, electronic measurement, thermistor

ABSTRACT: The authors describe an electronic thermal wind gauge developed at the Scientific Research Institute of Agricultural Physics. Temperature error is eliminated by using a differential measurement circuit with two directly heated sensing units with different power dissipation. The wind velocity is determined from the temperature difference of these sensing elements. Temperature error compensation is automatic in this type of circuit: a change in atmospheric temperature affects the resistance of the elements, which are connected in adjacent arms of the measurement bridge, and the combination of the remaining elements in the circuit compensates for the change in heating power by a corresponding change in the current sensitivity of the circuit. The bridge contains two thermistors with identical temperature coefficients but different nominal resistances and surface areas. The relationship be-

Cord 1/2

L 2452-66

ACCESSION NR: AP5023178

tween heat transfer and air velocity is the same for both thermistors. The sensing element having the higher resistance and the smaller area is heated while the temperature of the other element remains close to the atmospheric temperature. The signal from the output of this type of bridge circuit is proportional to the difference between the temperatures of the sensing elements, and consequently to the heat-transfer coefficient, which is functionally related to the air velocity. The circuit is analyzed for a bridge output signal which is independent of atmospheric temperature to determine the relationships between the parameters of the basic circuit elements. The construction and general characteristics of the instrument are discussed briefly. Orig. art. has: 4 figures.

ASSOCIATION: Agrofizicheskiy nauchno-issledovatel'skiy institut (Scientific Research Institute of Agricultural Physics)

SUBMITTED: 00

ENCL: 00

SUB CODE: ES, EC

NO REF Sov: 002

OTHER: 000

BVK
Card 2/2

MUSHKIN, I.V.; STUPNIKOV, A.R.; TARASOV, V.I.

Conditionally Lower Permian volcanic complex in the Diamalik basin
(southern slope of the Gissar Range). Zap. Tadzh. otd. Vses. min.
ob-va no.2:89-96 '64. (MERA 18:9)

1. Управление геологии и охраны недр при Совете Министерства
Таджикской ССР.

MUSHKIN, I.V.; KUTENETS, V.A.; BREYVINSKAYA, V.M.

Volcanic pipes of the Southern Gissar Range (southern Tien Shan). Dokl.
AN SSSR 158 no.3:633-635 S '64. (MIRA 17:10)

1. Yuzhno-tadzhikskaya geologorazvedochnaya ekspeditsiya. Predstavлено
akademikom V.S. Sobolevym.

SAVOS'KIN, A.N., kand. tekhn. nauk; BEPE'OVSKIY, A.M., inzh.; MUSHKIN, M.I.

Studying the fatigue endurance of the truck frames of EP2
electric trains. Trudy MIIT no.207:162-171 '65.

(MTRA 19:L)

SYROYEZHIN, Ivan Mikhaylovich; MUSHKIN, N.S., red.; ZHUKOVA, Ye.G.,
tekhn. red.

[Optimal planning of feed production; studying the methods
of calculation] Optimal'noe planirovanie kormoproizvodstva;
issledovanie metodov rascheta. Leningrad, Izd-vo Leningr.
univ., 1963. 100 p. (MIRA 17:1)

GRUNKIN, Mikhail Nikolayevich; MUSHKIN, N.S., red.

Planning of production and managerial operations in an
industrial enterprise] Planirovanie proizvodstvenno-
khoziaistvennoi deiatel'nosti na promyshlennom pred-
priatii. Leningrad, Izd-vo Leningr. univ., 1965. 134 p.
(MIRA 18:9)

BLYAKHMAN, L.S., dets., otd. red., opred., ..., red.

[Problems of labor productivity and wages during the building of communism] Voprosy proizvoditel'nosti i opredeleniya truda v period stravitel'stva kommunizma; sbornik statei. Leningrad, Izd-vo Leningr. univ., 1964. 174 s.
(SIR4 17:11)

1. Leningrad. Universitet.

MOISEYENKO, Nikolay Andreyevich; MUSHKIN, N.S., red.

[Labor productivity, accumulation, and consumption on collective farms] Proizvoditel'nost' truda, nakoplenie i potreblenie v kolkhozakh. Leningrad, Izd-vo Leningr. univ., 1964. 151 p.
(MIRA 18:3)

MUSHKIN, V.; KAYGORODOV, V.

Automatic equipment for recurrent heating of engines. Avt. transp.
36 no. 5:11-12 My '58. (MIRA 11:6)
(Automobiles—Cold weather operation)

MUSHKIN, YU I
Sheestkoo, Ya A.

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PHASE I BOOK EXPLOITATION

SOV/6181

Ural'skoye soveshchaniye po spektroskopii. 3d, Sverdlovsk, 1960.
Materialy (Materials of the Third Ural Conference on Spectroscopy) Sverdlovsk, Metallurgizdat, 1962. 197 p. Errata slip inserted. 3000 copies printed.

Sponsoring Agencies: Institut fiziki metallov Akademii nauk SSSR. Komissiya po spektroskopii; and Ural'skiy dom tekhniki VSNTO.

Eds. (Title page): G. P. Skornyakov, A. B. Shayevich, and S. G. Bogomolov; Ed.: Gennadiy Pavlovich Skornyakov; Ed. of Publishing House: M. L. Kryzheva; Tech. Ed.: N. T. Mal'kova.

PURPOSE: The book, a collection of articles, is intended for staff members of spectral analysis laboratories in industry and scientific research organizations, as well as for students of related disciplines and for technologists utilizing analytical results.

COVERAGE: The collection presents theoretical and practical problems of the application of atomic and molecular spectral analysis in controlling the chemical composition of various materials in ferrous and nonferrous metallurgy, geology, chemical industry, and medicine. The authors express their thanks to G. V. Chentsova for help in preparing the materials for the press. References follow the individual articles.

Materials of the Third Ural Conference (Cont.)

SOV/6181

Finkel'shteyn, A. I., B. I. Sukhorukov, T. M. Korniyenko, and Yu. I. Mushkin. Utilization of acid and alkali properties for spectrophotometric analysis of amino- hydroxy compounds by means of ultraviolet spectra	168
Finkel'shteyn, A. I. Spectral determination of composi- tion and structure of melamine pyrolysis products	171
Korobkov, V. S. Spectroscopic manifestations of inter- molecular hydrogen bonds	174
Kolobova, V. N., and V. V. Zharkov. Quantitative determina- tion of residual monomers in polystyrene by ultraviolet absorption spectra	178
Ledentsov, Yu. K., and E. N. Borodina. Absorption spectra of blood serum under the effect of ionizing radiation and low temperature	180

Card 13/ 15

MUSHKIN, Yu.I.; FINKEL'SHTEYN, A.I.

Vibration spectra of cyanamide. Opt.i spektr. 13 no.2:289-291
Ag '62. (MIRA 15:11)
(Cyanamide—Spectra)

MUSHKIN, Yu.I.; FINKEL'SHTEYN, A.I.

Molecular structure of cyanourea. Zhur. ob. khim. 33 no.6:1823-1885
Je '63. (MIRA 16:7)

1. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut
azotnoy promyshlennosti i produktov organicheskogo sinteza.
(Urea)

ROGINSKAYA, TS.N.; FINKEL'SHTEYN, A.I.; MUSHKIN, Yu.I.

Infrared spectra of the products of interaction of isocyanates
with hydrogen chloride. Zhur.ob.khim. 33 no.12:3928-3932 D '63.
(MIRA 17:3)

1. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut
azotnoy promyshlennosti i produktov organicheskogo sinteza.

FINKEL'SHTEYN, A.I.; SUKHORUKOV, B.I.; MUSHKIN, Yu.I.

Optical study of the molecular structure of cyanamide and
its derivatives. Part 4: Tautomerism of cyanamide and cyanamidine
in solutions. Zhur.fiz.khim. 37 no.2:290-293 F '63.
(MIRA 16:5)

1. Dzerzhinskiy filial instituta azotnoy promyshlennosti.
(Cyanamide—Optical properties) (Tautomerism)

MUSHKIN, Yu.I.; FINKEL'SHTEYN, A.I.

Spectrophotometric determination of a basic substance in commercial
urea. Zav.lab. 29 no.7:805-806 '63. (MIRA 16:8)

1. Dzerzhinskiy filial Gosudarstvennogo nauchno-issledovatel'skogo
i proyektного instituta azotnoy promyshlennosti i produktov organi-
cheskogo sinteza.

(Urea) (Spectrophotometry)

MUSHKIN, Yu.I.; FINKEL'SHTEYN, A.I.; BALABANOV, G.P.; TEPOVA, Z.G.

Infrared and ultraviolet spectra of some derivatives of terephthalic acid. Zhur.ob.khim. 33 no.10:3249-3252 O '63.
(MIRA 16:11)

l. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy
institut azotnoy promyshlennosti i produktov organicheskogo
sinteza.

MUSHKIN, Yu.I.; FINKEL'SHTEYN, A.I.

Isomer of cyanourea. Zhur.ob.khim. 34 no.5:1691-1693 My '64.
(MIRA 17:7)

1. Gosudarsudarstvennyy institut azotnoy promyshlennosti i
produktov organicheskogo sinteza.

FINKEL'SHTEYN, A.I.; BOYTSOV, Ye.N.; MUSHKIN, Yu.I.

Spectrophotometric method of analysis of multi-component
mixtures by absorption in the ultraviolet. Zav. iat. 30 no.1:
44-45 '64. (MIRA 17:9)

1. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy
institut azotnoy promyshlennosti i produktov organicheskogo
sintezza.

MUSHKIN, Yu.I.; TINKEL'SHTEYN, A.I.

Structure of cyanoguanilcarbamides and cyanodiphenyl.
Zhur. org. khim. i no.4 721-724 Ap '65. (N.F. 18 11)

1. Gosudarstvennyy nauchno-issledovatel'skiy proektnyy institut
azotnoy promyshlennost. i produktov organicheskogo sinteza.

NOVAKOVSKIY, M.S.; MUSHKINA, M.G.

Interaction of zinc salts with thiosulfate and rhodanide ions.
Ukr.khim.zhur.22 no.3:313-319 '56. (MLRA 9:9)

1.Khar'kovskiy gosudarstvennyy universitet imeni A.M.Gor'kogo.
(Zinc salts) (Thiocyanates) (Thiosulfates)

MUSHKINA, M.G.

USSR/Inorganic Chemistry. Complex Compounds.

C

Abs Jour: Ref. Zhur. Khimiya, No 1, 1958, 685.

Author : Novakovskiy, M.G., Mushkina, M.G., Borob'yeva, E.G.

Inst :

Title : Investigation of Complex Zinc with Addends Containing Sulfur
by Solubility Method.

Orig Pub: Uch. Zap. Kharkovsk. Un-t, 1957, 82, Tr. Khim. Fak. and N.-i.
In-ta Khimii 16, 107-112.

Abstract: by I. Slonim. During precipitation of $Zn(NO_3)_2$ in solution with potassium hydroxide basic salts of varying composition are obtained which approximately have the formula, $3Zn(OH)_2 \cdot Zn(NO_3)_2 \cdot xH_2O$ (I). The solubility of I in solution of KNO_3 at ionic strength $\mu = 1.7$ for various preparations is equal to $3-4.2 \cdot 10^{-3}M$; in solution of Na_2SO_4 at $\mu = 3$ the solubility of I is $4-5.5 \times 10^{-3}M$. The solubility of I was studied in solutions of $Na_2S_2O_3 \cdot 5H_2O$ at 40° and $\mu = 3$ and in solutions of KCNS at 25° .

Card : 1/2

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NOVAKOVSKIY, M.S.; MUSHKINA, M.G.

Cadmium pyrophosphate complexes. Zhur.neorg.khim. 7 no.5:
1068-1073 My '62. (MIRA 15:7)
(Cadmium compounds) (Pyrophosphates)

MUSHKINA, N. A.

"An Electrophysiological Study of Brain Processes During the Development of Time Associations in Humans." Cand Biol Sci, Inst of Physiology, Acad Sci USSR, Leningrad, 1954. (RZhBiol, No 3, Feb 55)

SO: Sum. No. 630, 26 Aug 55 - Survey of Scientific and Technical Dissertations
Defended at USSR Higher Educational Institutions (1st)

MUSHKINA, N.A.

Dynamics of formation of conditioned present and after reflexes
of depression of alpha rhythm and their differentiation. Zmr.vys.
nerv.dielat. 6 no.1:157-163 Ja-F' 56. (MIRA 9:7)

1. Laboratoriya fisiologii sritel'nogo analizatora Instituta
fisiologii imeni I.P.Pavlova Akademii nauk SSSR.
(REFLEX, CONDITIONED,
depression of alpha rhythm (R_{as}))
(ELECTROENCEPHALOGRAPHY,
alpha rhythm, conditioned depression (R_{as}))

MUSHKINA, N.A.

Reaction of electrical oscillation of the brain following exposure
to light stimuli with varying signal significance. Zhur.vys.nerv.
deiat. 6 no.1:164-169 Ja-F' 56. (MLRA 9:7)

1. Laboratoriya fisiologii sritel'nogo analizatora Instituta
fisiologii imeni I.P.Pavlova Akademii nauk SSSR.

(ELECTROENCEPHALOGRAPHY,

alpha rhythm, eff. of light stimuli (Bus))

(LIGHT, effects,

on EEG alpha rhythm (Bus))

KARAYEV, A. I.: MUSHKLEA, H.A.

Role of the cerebral cortex in reflex influences from viscera
on the skin. Trudy Sekt.fiziol.AN Azerb.SSR 2:62-74 '58.
(MIRA 12:7)

(CEREBRAL CORTEX) (SKIN) (VISCERA--INNERVATION)

MUSHKINA, M.A.

Course of the conditioned depression of alpha rhythm in certain
cases of inhibition developed in the cerebral cortex. Trudy
Sekt. fiziol. AN Azerb. SSR 2:100-114 '58. (MIRA 12:7)
(ELECTROENCEPHALOGRAPHY) (INHIBITION) (CONDITIONED RESPONSE)

Mushkina, N.A.
KARAYEV, A.I.; MUSHKINA, N.A.

Effect of stimulation of mechanoreceptors of the bladder in the
electrical processes in the skeletal muscles [with summary in English].
Fiziol.zhur. 44 no.1:14-17 Ja '58 (MIRA 11:3)

1. Sektor fiziologii AN Azerbaydzhanskoy SSR, Baku.

(MUSCLES, physiology,

eff. of bladder stimulation on electric potential (Rus)

(BLADDER, physiology,

eff. of stimulation on musc. electric potential (Rus)

MUSHKINA, N.A.

ZAGORUL'KO, L.T.; ZAGORUL'KO, T.M.; MUSHKINA, N.A.

The role of physiological processes in the retina and cerebral cortex in the formation of trace sensations in man. *Fiziol.zhur.* 44 no.4:286-294 Ap '58. (MIRA 11:4)

1. Laboratoriya fiziologii zritel'nogo analizatora Instituta fiziologii im. I.P.Pavlova AN SSSR, Leningrad.

(RETINAL physiology

role in form. of trace sensations in man (Rus))

(CEREBRAL CORTEX. physiology

role in form. of trace sensations in man (Rus))

KARAYEV, A.I.; MUSHKINA, N.A.

Effect of prolonged subliminal excitations of the cerebral cortex of
the rabbit on the electric activity of its heart. Izv. AN Azerb. SSR. Ser.
biol. i sel'khoz. nauk no.1:67-74 ' 59. (MIRA 12:1)
(CEREBRAL CORTEX) (ELECTROCARDIOGRAPHY)

KARAYEV, A. I. & MUSHKINA, N.A.

Changes in the electric activity of some areas of the cerebral cortex during the stimulation of gastric and rectal receptors.
Izv. AN Azerb. SSR Ser. biol. i sel'khoz. nauk no. 3:63-68 '59.
(MIRA 12:8)

(CEREBRAL CORTEX) (ELECTROPHYSIOLOGY)
(ALIMENTARY CANAL INNERVATION)

KARAYEV, A.I.; MUSHKINA, N.A.

Change in the bioelectric activity of the cortex and reticular formation following stimulation of interoceptors. Med. zhur. Uzb. no.7: 53-56 Jl '61. (MLA 15:1)

1. Iz sektora fiziologii AN Azerbaydzhanskoy SSR.
(ELECTROENCEPHALOGRAPHY)

MUSHKINA, N.A.

Change in the electric activity of the cortex and the reticular formations of different levels of the brain in the stimulation of extero- and interoceptors in animals irradiated with X rays.
Report No.1. Vop.fiziol. 5:74-93 '62. (MIRA 16:5)
(ELECTROENCEPHALOGRAPHY) (RECEPTORS (NEUROLOGY))
(X RAYS—PHYSIOLOGICAL EFFECT)

MUSHKINA, N.A.; KASIMOVA, T.S.

Changes in the electric activity of the cerebral cortex and of some specific and reticular formations of various brain levels during stimulation of extero- and interoceptors in X-ray irradiated rabbits. Vop. fiziol. 6:52-71 '63.

(MIRA 17:11)

MUSHKINA, N.A.

Electrophysiological study of the interaction processes of various afferent (extero- and interoceptive) systems on the level of cortical and subcortical specific and reticular formations. Trudy Sekt.fiziol.AN Azerb.SSR 7:120-133 '6 . (MIRA 17:10)

Reflection of the reciprocal influences from the receptors of the stomach, rectum and bladder in the electric cortical activity and some specific and reticular formations at various brain levels.
Ibid.:134-141

TSIKLIS, D.S.; MUSHKINA, Ye.V.; SHENDEROV, L.I.

Phase equilibria in the ethylene water systems at high
temperatures and pressures [with summary in English]. Inzh.-fiz.
zhur. 1 no.8:3-7 Ag '58. (MIRA 11:8)

1.Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut
azotnoy promyshlennosti, Moskva.
(Phase rule and equilibrium)

L 55133-65
ACCESSION NR: AP5011090

UR/0250/65/009/003/0202/0204 2/

AUTHOR: Avramenko, B. I.; Ipat'yev, A. N.; Mushinskaya, L. G.; Savchenko, A. P.;
Zhebrak, A. R.

TITLE: Male sterility in plants caused by penetrating radiation

SOURCE: AN BSSR. Doklady, v. 9, no. 3, 1965, 202-204

TOPIC TAGS: radiobiology, gamma ray, cobalt 60, radiation effect, seed, plant genetics

ABSTRACT: It is a laborious and costly process to obtain hybrid seeds by the usual method of flower castration. The authors studied the possibility of inducing male sterility in plants by irradiating air-dried cucumber, rye, wheat, tomato, radish and other seeds with gamma rays from Co⁶⁰ in the atomic reactor of the AN BSSR. Critical doses for each species of plants were used. A relationship was noted between sterility and the radiation dose in the case of mustard, cabbage, cucumber, and rape. In corn and beans, some varieties were less sensitive than others to the same radiation dose. Pollen was found to be sterile in non-irradiated plants, indicating that male sterility may be due to some other factors. In

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L 55133-65
ACCESSION NR: AP5011090

O
general, however, the results of the experiments showed that irradiation of seeds increases pollen sterility so that joint planting of an irradiated maternal variety with a non-irradiated paternal variety increases the hybridity of the seeds. Orig. art. has: 4 tables.

ASSOCIATION: Ordin genetiki i tsitologii AN BSSR (Genetics and Cytology Section
AN BSSR)

SUBMITTED: 29Jan64

NO REF Sov: 017

ENCL: 00

OTHER: 003

SUB CODE: LS

Card 2/2

GRAMATSKIY, V.I.; MUSHINSKIY, V.P.

Optical properties of single Ga_2Te_3 crystals. Fiz. tver. tela 6
no.11:3478 N '64. (MIRA 18:1)

1. Kishinevskiy gosudarstvennyy universitet.

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R001135720006-6

Physical examination of [redacted] using direct
questioning and physical examination. (MIRA 18:3)

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R001135720006-6"

S/075/61/016/001/017/019
B013/B055

AUTHORS: Tsekhaneskaya, Yu. V. and Mushkina, Ye. V.

TITLE: Photometric Determination of Small Quantities of Butadiene

PERIODICAL: Zhurnal analiticheskoy khimii, 1961, Vol. 16, No. 1,
pp. 96-99

TEXT: This brief communication deals with the checking and working out of a photometric method of determining small quantities of butadiene suggested by N. A. Isakova (Refs. 7-9). The determination is based on the formation of a colored compound from butadiene and diazotized p-nitro-aniline hydrochloride and subsequent photocalorimetric measurement of the optical density. For the photometric determination of butadiene, a calibration curve was taken using pure butadiene. Several measurements were also performed with mixtures of butadiene and n-hexane or n-heptane from sealed ampoules. The butadiene used for this purpose was prepared by treating tetrabromobutane in alcoholic-aqueous solution with granulated zinc (Ref. 10). The equipment represented in Fig. 1 was used for precisely measuring out butadiene into the reaction vessel and for the analysis from

Card 1/3

Photometric Determination of Small Quantities
of Butadiene

S/075/61/016/001/017/019
B013/B055

ampoules. This equipment consists of a small steel autoclave (1) for storing butadiene, a glass ampoule (2), a 10-cm³/microburet (4) with 0.02-cm³ graduation, and a manometer (7). Evaluation of 43 optical-density measurements of solutions containing between 0.53 and 2.9 cm³ butadiene (0°C, 760 mm Hg) by the least squares method gave a straight-line calibration curve in the coordinates optical density - amount of butadiene in cm³ (Fig. 2). The mean probable error of a measurement was $\pm 7\%$. The applicability of the photometric method to butadiene determination in the presence of its dimer was tested. For this purpose butadiene was dimerized in the gas phase at 250 and 260°C (Table). A comparison of the calculated and experimentally found quantities of butadiene showed that the photometric determination of butadiene is not affected by the presence of the dimer. There are 2 figures, 1 table, and 13 references: 10 Soviet, 1 Scotch, and 2 US.

ASSOCIATION: Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut azotnoy promyshlennosti i produktov organicheskogo sinteza, Moskva (State Design and Planning Scientific Research Institute of the Nitrogen Industry and of Products

Card 2/3

TSEKHANSKAYA, Yu.V.; IOMTEV, M.B.; MUSHKINA, Ye.V. (Moscow)

Solubility of diphenylamine and naphthalene in carbon dioxide
under pressure. Zhur.fiz.khim. 36 no.10:2187-2193 O '62.

(MIRA 17:4)

1. Gosudarstvennyy institut azotnoy promyshlennosti, Moskva.

TSEKHANSKAYA, Yu.V.; IOMTEV, M.B.; MUSHKINA, Ye.V.

Solubility of naphthalene in ethylene and carbon dioxide under pressure. Zhur. fiz. khim. 38 no.9;2166-2171 S '64.
(MIRA 17:12)

1. Institut azotnoy promyshlennosti i produktov organicheskogo
sinteza, Moskva.

USSR / Diseases of Farm Animals. Diseases Caused by Protozoa.

R

Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 7472

Author : Onufriyev, V. P.; Mushkov, V. G.

Inst : Leningrad Scientific Research Veterinary Institute

Title : Testing the Imported Preparation "Berenil" for the Therapy of Babesiosis in Cattle

Orig Pub : Byul. nauchno-tekhn. inform. Leningr. n.-i. vet. in-ta, 1957, vyp 4, 32-33

Abstract : No abstract given

Card 1/1

26

MUSHKOVSKAYA, Yu.I.

Evaluation of bronchoscopy is a diagnostic method in lung cancer
[with summary in English]. Vop.onk. 3 no.4:434-438 '57.

(MIRA 10:11)

1. Iz nauchno-poliklinicheskogo otdela (zav. - kand.med.nauk K.A. Pavlov) i 2-go khirurgicheskogo otdeleniya (zav. - prof. A.I.Rakov) Instituta onkologii AMN SSSR (dir. - deystvitel'nyy chlen AMN SSSR prof. A.I.Serebrov). Adres avtora: Leningrad, P-129, 2-ya Berezovaya alleya, d.3, Institut onkologii AMN SSSR.
(LUNG NEOPLASMS, diagnosis,
bronchoscopy (Rus))

MUSHKOVSKAYA, Yu.I.; LEVKOVICH, Yu.I.

Experience in working with the optic photobronchoscope. Vop.
onk. 7 no.5:115-119 '61. (MIRA 15:1)

1. Iz nauchno-~~tekhnicheskogo~~ klinicheskogo otdela (zav. - starshiy nauchnyy
sotrudnik kand.med.nauk K.A. Pavlov), laboratorii nauchnoy foto-
grafii (zav. - inzh. Yu.I. Levkovich) Instituta onkologii AMN SSSR
(dir. - deystvitel'nyy chlen AMN SSSR prof. A.I. Serebrov).
(BRONCHOSCOPE)

GABISTANI, A.G.; MUSHKUDIANI, Z.A.; NODIYA, T.K.; MCHEDLISHVILI, V.A.

Changes in oxygen content during the smelting and pouring
of open-hearth steel. Soob. AN Gruz. SSR 33 no. 3:627-633
Mr. '64 (MIRA 17:8)

1. Institut metallurgii, Tbilisi. Predstavleno akademikom
F.N. Tavadze.

GABISIANI, A.G.; MUSHKUDIANI, Z.A.; IOMASHVILI, A.N.; TABAGARI, I.D.Sh.

Deoxidation of open-hearth steel with ferrosilicoaluminum.
Soob. AN Gruz. SSR 33 no.1:167-174 Ja '64. (MIRA 17:7)

1. Gruzinskiy metallurgicheskiy institut, Tbilisi. Predstavleno
akademikom F.N. Tavadze.

~~MISHLOVIN L B~~

MUSHLOVIN L B
1369. COAL CLEANING PLANTS IN POST WAR FIVE YEAR PROGRAMME. Marchenko, M. G.
and Mushlowin, L.B. (Ugol, Dec. 1948, 4-12). The programme specifies
the construction of cleaning plant with 150 million tons arrival
throughput. The plant may be sited at individual mines, for a group
of mines or at chemical works producing coke, depending on the merits
of a particular case. The last alternative is favoured when coal is
taken from mines of low output, and where cleaning plant could not be
utilised to the full. In the case of coal used for power-raising, for
which only partial cleaning is necessary, plant should, in general,
be sited at the mines. A daily production of 700-800 tons is usually
sufficient to warrant the building of individual cleaning plants.
When yearly production is below 500,000 tons, and a high degree of
cleaning is required, diversion to common plants is planned. Finally,
for small mines with production below 200,000 tons, and for which
intensive cleaning is unnecessary, only mechanical or hand-picking is
provided. Existing facilities are inadequate for the reduction of the
sulphur content of Konets coal to a figure acceptable to the coke
industry. In winter it is necessary to reduce the moisture of the
washed coal to 5-8% by thermal treatment, in order to avoid trouble
with the coke ovens.

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R001135720006-6"

from freezing. For coal used in power production, the following sizes are recognised:- minus 6 m.m., 6-13 m.m., 13-25 m.m., and 25 to 75 or 100 m.m. 125 m.m. has been accepted as the upper limit for coal cleaning; the self-acting jig is the most favoured method. As a rule, only coal $<$ 6 m.m. is cleaned but it is proposed also to build plants to deal with coal $<$ 25 m.m. For the coking coal of the Donets Basin, flotation cleaning of dust and slime is common practice. Plants for cleaning fine coal down to 0.5 - 1 m.m. are proposed mainly for gas coals suitable for coking. The dust and slime is used by industry, the 10-0.5 m.m. coal by coke plants and the larger coal by power stations. For cleaning coal above 25 m.m. one-stage jigs are being used to save manual work; the 25-75 m.m. grade is washed and then loaded separately.

N.C.B.

PUSHLOVIN, Lev Borisovich; VERKHOVSKIY, I.M., prof., retsenzent;
LEVITSKIY, Ya.S., oty. red.; MAKRUSHINA, Ye.A., red.izd-va;
SABITOV, A., tekhn. red.

[Determining and evaluating the results of coal treatment
on coal preparation machines] Opredelenie i otsenka re-
zul'tatov obogashcheniya na ugleobogatitel'nykh mashinakh.
Moskva, Gosgortekhizdat, 1963. 165 p. (MIRA 16:12)
(Coal preparation plants--Equipment and supplies)

Mushtmov, D.

Country	Bulgaria
Category	Human and Animal Physiology, Circulation
Abs. Jour.	ref Eur Biol, No. 2, 1959, No. 8087
Author(s).	I. M. Stoychev; Angelov, A.; Nikolov, A.; Tsvetkov, A.; Chalov, A.; Mushtmov, D.; Ignatova, S.; Nikolaev, N.; Kichchev, T.
Title	The Effect of the Bulgarian Synthetic Extragonadal Preparation "Vitestral" on Blood Pressure.
Orig Pub.	Rev. Otd. Biol. i med. nauch. Bolg. Akad. Nauk. ekspерим. Biol. i med., 1957, No. 1, 47-55
Abstract	Vitestral was injected in doses of 0.5, 1.5 and 5 mg/kg into normal, atropinized, vagotomized and decerebrate cats, as well as into cats with carotid sinus removed. Vitestral lowered blood pressure by 16-35% (depending upon the dose) within 72-95 seconds. There were no substantial differences between the normal and the operated animals. It is suggested that Vitestral acts directly upon the smooth muscle elements of the vessel walls.--G.B.Schulman.
Card:	1/A

KOZERENKO, V.N.; MUSHNIKOV, A.D.

Stratigraphy and tectonics of Jurassic deposits in eastern Transbaikalia. Nauk.zap.L'viv.un. 23:29-41 '53. (MLRA 10:3)
(Transbaikalia--Geology, Stratigraphic)

MUSHNIKOV, A. F., and KOZERENKO, V. N.

"Stratigraphy and Tectonics of the Southern Deposits of Eastern Transbaykal,"
Uch. zap. L'vovsk. Un-ta. ser. geol., 23, No 6, 29-41, 1953

In the Eastern Transbaykal region, the lower and middle Jurassic is divided into the following two coeval environmental complexes: marine and "Algacha" (i.e. coastal-marine and continental). The author distinguishes a third one, a cis-Argun continental complex, distinguished by variability of lithological properties and sharply decreasing thicknesses of deposits.

RZhGeol, No 1, 1955

MUSHNIKOV, A.F.

Geological surveying and prospecting methods in enclosed regions.
Geol.sber. [Lvov] no.2/3:281-293 '56. (MLRA 10:3)

1. L'vovskiy gosuniverstitet imeni Ivana Franke.
(Transbaikalia--Geological Surveys) (Transbaikalia--Prospecting)

KOZERENKO, V.N.; MUSHNIKOV, A.F.

Correlations between prospecting and large-scale geological surveying
in closed regions and the complexity of geological structures. Razved.
1 okh. nedr 22 no.9:30-33 S' 56. (MLRA 9:11)

1. Lvovskiy gosudarstvennyy universitet.
(Geology, Structural) (Geological surveys)

MUSHNIKOV, A.F.

Organizing geological surveying and prospecting operations in
buried regions. Razved. i okh.nedr 22 no.12:20-23 D '56.
(MLRA 10:2)

1. L'vovskiy gosudarstvennyy universitet.
(Prospecting)

LUSHIKOV, A.F., cand Geol-min Sci--(dr.) "Stratigraphy and tectonics of the Jurassic deposit of South central Kazakhstan." 1974. 150 pp (1 in of higher education in SR. Min of Geo. and Mineral Conservation of Minerals ~~in~~ USSR. Lvov State Univ. Iv. Franko. ^{Chita} ~~Recd~~)

KOZERENKO, V.N.; MUSHNIKOV, A.F.

New data on the Jurassic stratigraphy of eastern Transbaikalia.
Pyt.geol. no.9:87-101 '58. (MIRA 13:4)
(Transbaikalia--Geology, Stratigraphic)

MUSHNIKOV, A.F.

Basic problems relative to the geology of southeastern
Transbaikalia. Pyt.geol. no.9:119-141 '58.

(MIRA 13:4)

(Transbaikalia--Geology)

MUSHNIKOV, A.N.; LUPACH, V.S., redaktor; MYASNIKOVA, T.F., tekhnicheskij
redaktor.

[The Baltic Fleet in the battles for Leningrad, 1941-1944] Baltiitsy
v boiakh za Leningrad (1941-1944). Moskva, Voen.izd-vo Ministerstva
oborony SSSR, 1955. 205 p. (MLRA 8:4)
(Baltic Sea--World War, 1939-1945--Naval operations)

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R001135720006-6

MUSHNIKOV, D.Ye. (Irkutsk)

Pearl of Eastern Siberia. Zdorov'e 5 no. 10:13 0 '59. (MIRA 13:2)
(ARSHAN--DESCRIPTION)

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CIA-RDP86-00513R001135720006-6"

MUSHNIKOV, G.A.

Long life of rails is our concern. Put' i put.khoz. 4 no.9:5 S '60.
(MIRA 13:9)

1. Brigadir puti, stantsiya Prechistoye, Severnoy dorogi.
(Railroads--Rails)

MUSHNIKOV, V.F.

Into the communist tomorrow under the wise leadership of the CPSU.
Mashinostroitel' no.10:8-9 0 '61. (MLRA 14:9)

1. Rukovoditel' brigady kommunisticheskogo truda Irkutskogo
zavoda tyazhelogo mashinostroyeniya imeni V.V. Kuybysheva.
(Irkutsk—Machinery industry)

MUSHNIKOVA, K.

MUSHNIKOVA, K.

Fungicides

"Granozan." Kolkh. proiz., 12, No. 6,
1952.

Monthly List of Russian Accessions, Library of Congress, October 1952. UNCLASSIFIED.

MUSHNIKOVA, K. N.

12141* (A New Preparation for Treating Cotton Seeds Against Gummosis.) Novyi perspektivnyi preparat dlia protivivremenila semian khlopehatnika protiv gummoss. A. L. Ed'mov and K. N. Moshnikova. Zemledelie, v. 2, no. 4, April 1954, p. 104-106.

Application of 20% Cu trichlorphenolate at rate of 8 kg. per ton of seeds improved yield. Tables.

MUSHNIKOVA, K. S.,

"Comparative Testing of Mercuri-organic Preparations (Granosan and Zbarskii's Bactericide) in the Control of Vegetable and Melon Diseases," Selektsiya i Semonovodstvo, vol. 18, no. 7, 1951, pp. 25-28 61.9 Se5

To: Sira - SI-90-53, 15 Dec. 1953

MUSHNIKOVA, K. S.,

"Granosan," Klokhosnoe Proizvodstvo, vol. 12, no. 6, 1952, p. 57 281.8 KB3

To: Sira - S1-90-53 15 Dec. 1953

SUKHOV, K. S.; VOVK, A. M.; MUSHNIKOVA, K. S.

Tomatoes - Diseases and Pests

Effective test for DDT dust in controlling the tomato stalk borer. Dokl. Ak. sel'khoz. 17 no. 8, 1952.

Monthly List of Russian Accessions, Library of Congress, November 1952. Unclassified.

MUSHNIKOVA, K. S.

SUKHOV, L. S., VOVK, A. M. and MUSHNIKOVA, K. S. "Industrial Testing of DDT Dust in Controlling Big Bud of Tomato," Doklady Vsesoiuznoi Akademii Sel'skokhoziaistvennykh Nauk imeni V. I. Lenina, vol. 17, no. 8, 1952 pp. 24-27. 20 Akl.

SO: SIRE SI-90-53 15 Dec. 1953

YELENEV, A.V., inzhener; ZHUYKO, I.S., ekonomist; MUSHNIKOVA, K.S.,
agronom; NIKIFOROV, A.M., agronom; SAGALOVICH, Ye.N., agronom;
SLOBODCHIKOV, D.D., agronom [deceased]; MOROZOV, D.N., redaktor
[deceased]; BALLOD, A.I., tekhnicheskiy redaktor

[Agronomist's handbook and calendar] Kalendar'-spravochnik agronoma.
Moskva, Gos. izd-vo sel'khoz. lit-ry, 1956. 346 p. (MLR 10:2)
(Agriculture--Handbooks, manuals, etc.)

VOLKOV, Alekseandr Nikolayevich; GERASIMOV, B.A.; ZARING, P.V.; MUSHNIKOVA,
K.S.; NIKIFOROV, A.M.; PROKOPENKO, S.F.; POPOV, S.D.; CHUVAKHIN,
V.S.; MINENKOVA, V.R., red.; GOR', Z.D., tekhn.red.; GUREVICH,
M.M., tekhn.red.

[Manual on controlling pests and diseases of farm crops] Posobie
po bor'be s vrediteliami i bolezniami sel'skokhozistvennykh
kul'tur. Izd.10, ispr. i dop. Moskva, Gos.izd-vo sel'khoz.lit-ry,
1960. 615 p.
(MIRA 13:11)

(Agricultural pests) (Plant diseases)

BELYAYEV, I.M.; MUSHNIKOVA, K.S.; MILOVIDOVA, N.D., red.; STREL'TSOVA,
N.P., red.; KANTOROVICH, A.P., tekhn. red.

[Pests and diseases of grain crops] Vrediteli i bolezni zagr-
novykh kul'tur. Izd.2. n.p. Sel'khozizdat, 1963. 34 p.
(MIRA 16:10)

(Grain--Diseases and pests)

LOSYAKOVA, L.S.; MUSHNIKOVA, L.N.; MISHINA, Z.N.

Studying the composition of pectin-splitting enzymes in the preparation obtained from the surface culture of *Aspergillus niger*. Ferm. i spirt.prom. 31 no.3:5-9 '65.

1. Vsesoyuznyy nauchno-issledovatel'skiy institut fermentnoy i spirtovoy promyshlennosti.

(MIRA 18:5)

ORECHKIN, D.B. (Angarsk); POPOVA, N.V. (Angarsk); SHEPOT'KO, O.F. (Angarsk);
Prinimali uchastiye: MUSHTA, O.V.; PASHNINA, Ye.T.

Chromatographic determination of the hydrocarbon content of alcohols
produced by the hydrogenation of sperm whale oil. Izv. Sib. otd. AN
SSSR no. 11:66-69 '62. (MIRA 17:9)

REFTEKHM, D.B.; MULKA, N. .; VASIL'YEV, V. .; VASIL'YEV, V. .; VASHTA, O.V.;
VOLKOV, V.P.

Chromatographic method for detection of traces of organic aromatics
in technical mixtures of mineral oil by means. Neft-geg. . reftekhim.
no. 10:3 1932 (v. 12) (USSR 1932)

L 25716-66 EWT(d)/EWP(h)/EWP(l)

ACC NR: AP6004213 (A) SOURCE CODE: UR/0331/65/000/010/0009/0011

AUTHOR: Marchenko, N. D.; Livanov, A.P.; Kononenko, M. P.; Mushta, V.F.
Soshnikov, A.A.

ORG: (Marchenko, Livanov, Kononenko, Mushta) Caucasus Branch TsNIIME
(Kavkazskiy filial TsNIIME); (Soshnikov) Khar'kov Tractor Plant
(Khar'kovskiy traktornyiy zavod)

TITLE: New wheeled tractor for hauling trees 14

25

B

SOURCE: Lesnaya promyshlennost', no. 10, 1965, 9-11

TOPIC TAGS: tractor, towing vehicle, forestry

ABSTRACT: The authors describe a four-wheel tractor constructed by the above-mentioned organizations for experimental forest hauling purposes. The new vehicle was built on the basis of a tractor of the regular T-125 type and was designed for hauling trees with top ends suspended. The tractor can be used in connection with timber carriages or log trailers up to 20 tons at speeds up to 29 km/hr. The tractors can also be equipped with a bulldozer. The vehicle is driven by a 130-hp, 1700-rpm, six-cylinder diesel engine of SMD-462 type. It is 6200 mm long, 2310 mm wide and 2600 mm high. The weight is 8000 kg. The pull

Card 1/2

UDC: 634.0.377.4

L 25716-66

ACC NR: AP6004213

of its hoister is 4500 kg. (It is proposed to increase the pull up to 7250 kg). Various tractor operating speeds and tractions were tabulated and some other data (fuel consumption, tires, etc.) were given. The timber hoist apparatus was of TDT-40 type mounted on the rear frame of the trailer. The arrangement and operation of the hoister were explained. The new tractor was tested in the forestrics located in various mountainous regions of the Caucasus. Comparative tests with caterpillar tractors of TDT-60 type were organized. The tests were conducted under various conditions including snow-covered areas, steep grades, rough roads, etc. The tests were briefly described proving the higher operational speed of wheeled tractors. In general, it was proven that wheeled tractors of a 3-ton capacity could be used in mountains on grades up to 20 degrees. The tests will be continued. Orig. art. has: 2 photos showing the tractor in operation.

SUB CODE: 1347 SUBM DATE: None / ORIG REF: 000 / OTH REF: 000

Card 2/2 Jc

MALEVSKIY, Yevgeniy Stepanovich; MUZYLEV, Vasiliy Sergeyevich; MUSHTAKOV,
Nikolay Denisovich; KOLOSOV, S.A., inzhener, redaktor; SIDOROV, N.I.,
redaktor; VENINA, G.P., tekhnicheskiy redaktor

[Experience in operating diesel electric railroad power stations]
Opyt obsluzhivaniia dizel'nykh zhileznodorozhnykh elektrostantsii.
Pod obshchei red. S.A.Kolosova. Moskva, Gos. transp. zhel-dor.
izd-vo, 1956. 62 p. (MLRA 9:9)
(Diesel engines) (Electric power plants)

MUSHTAKOV, Porfiriy Vasil'yevich; KHORENKOY, Andrey Vasil'yevich;
SOKOLOV, I.A., polkovnik, red.

[Automation of artillery control] Avtomatizatsiya up-
ravleniya artilleriei. Moskva, Voenizdat, 1965. 95 p.
(MIRA 18:12)

MUŞTARI, Kh.M.

Muştari, H. M. On the domain of applicability of the
Kirchhoff-Love theory of shells. Akad. Nauk SSSR.
Prikl. Mat. Meh. II, 517-520 (1947). (Russian)

The author points out that some writers in the theory of
shells introduce refinements which are superfluous when the
Kirchhoff-Love hypothesis is used. I. S. Sokolnikoff.

Source: Mathematical Reviews,

Vol 9 No. 6 *Sokolnikoff*